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PATENT

Attorney Docket No.: 434817

Express Mail Label No.: EV413241788US

JC17 Rec'd PCT/PTO 25 MAR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)	James Hayden Brownell	Examiner	Not Yet Assigned
Serial No.	Not Yet Assigned	Group Art No.	Not Yet Assigned
Filed	Herewith	Confirmation No.	Not Yet Assigned
For	Free Electron Laser, And Associated Components And Methods		

March 25, 2005

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application, or date of entry of national application, or before mailing date of first office action on the merits, whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
 - ☐ Statement under 37 CFR 1.97(e), or
 - ☐ a \$180 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance, which ever occurs first)
- ☐ under 37 CFR 1.97(d) together with a:
 - ☐ Statement under 37 CFR 1.97(e)(1) or (2), and
 - ☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of issue fee)

Please charge to Deposit Account 12-0600 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 12-0600 pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 – Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of the application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a

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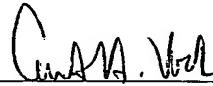
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search report or other action by a foreign patent office in a counter part foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith

It is requested that the information disclosed herein be made of record in this application

Respectfully submitted,

LATHROP & GAGE LLC



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Approved for use to 07/31/2006. OMB 0651-0031

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Complete if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	James Hayden Brownell
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	434817

(Use as many sheets as necessary)

Sheet	1	of	2
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Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 2

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Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	James Hayden Brownell
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	434817

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Walsh, J. E., et al "A New Far Infrared Free-Electron Laser" Nuclear Instruments & Methods in Physics Research, Section - A: Accelerators, Spectrometers, Detectors and Associated Equipment, North-Holland Publishing Company, Amsterdam, NL, Vol. 429, No. 1-3, 11 June 1999, pages 457-461, XP004171254, ISSN: 0168-9002	
		Urata, J., et al "Superradiant Smith-Purcell Emission" Physical Review Letters, 19 January 1998, APS, USA, Vol. 80, No. 3, pages 516-519, XP002277686, ISSN: 0031-9007	
		Bakhtyari, A., et al "Amplified-Spontaneous-Emission Power Oscillation in a Beam-Wave Interaction" Physical Review E. (Statistical, Nonlinear, and Soft Matter Physics), June 2002, APS through AIP, USA, Vol. 65, No. 6, pages 066503/1-4, XP002277687, ISSN: 1063-651X	
		Van Den Berg, P. M. "Smith-Purcell Radiation From a Point Charge Moving Parallel to a Reflection Grating" Journal Of The Optical Society Of America, December 1973, USA, Vol. 63, No. 12, pages 1588-1597, XP009029663, ISSN: 0030-3941	
		Goldstein, M., et al "Demonstration of a Micro Far-Infrared Smith-Purcell Emitter" Applied Physics Letters, 28 July 1997, AIP, USA, Vol. 71, No. 4, pages 452-454, XP002277689, ISSN: 0003-6951	

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Considered

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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